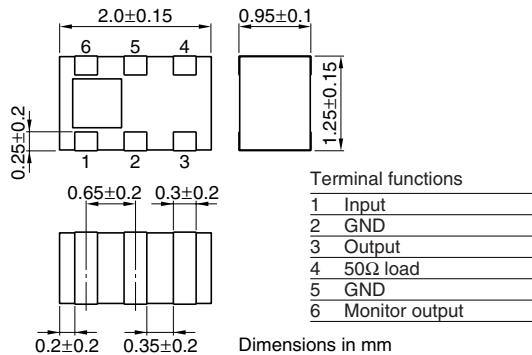


# Multilayer Chip Directional Couplers For PCS/Tx

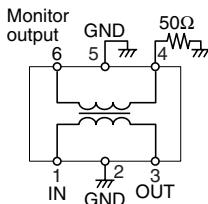
Conformity to RoHS Directive

HHM Series HHM2411

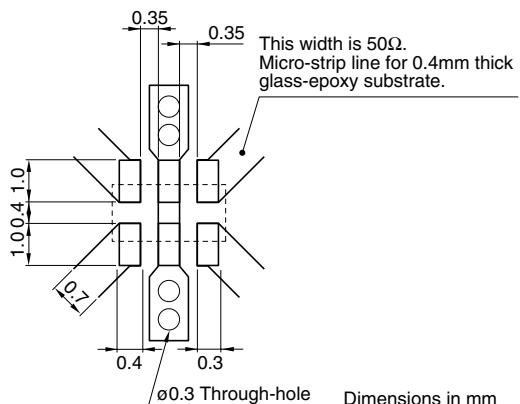
## SHAPES AND DIMENSIONS



## CIRCUIT DIAGRAM



## RECOMMENDED PC BOARD PATTERNS



## ELECTRICAL CHARACTERISTICS

Frequency range	1850 to 1910MHz	
Coupling factor	-14.5±1.0dB	
Insertion loss	0.35dB max.*1 0.40dB max.*2	
Isolation	20dB min.	
VSWR	1.4 max.	
Temperature range	Operating	-40 to +85°C
	Storage	-40 to +85°C

\*1 25°C

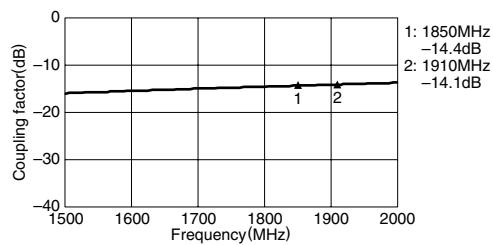
\*2 Operating temperature

- Conformity to RoHS Directive: This means that, in conformity with EU Directive 2002/95/EC, lead, cadmium, mercury, hexavalent chromium, and specific bromine-based flame retardants, PBB and PBDE, have not been used, except for exempted applications.

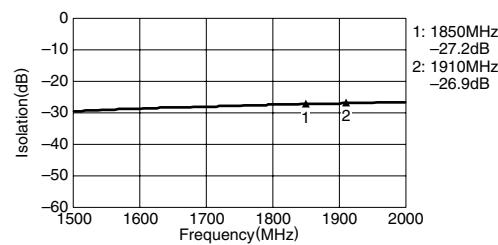
- All specifications are subject to change without notice.

## FREQUENCY CHARACTERISTICS

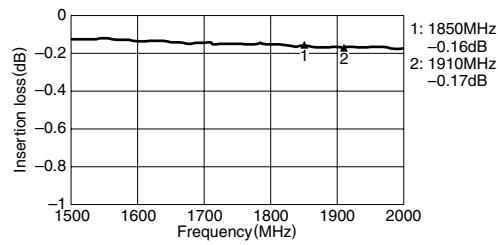
### COUPLING



### ISOLATION



### INSERTION LOSS



### VSWR

